# PATENT COOPERATION TREATY

From the INTERNATIONAL BUREAU				
PCT	То:			
NOTIFICATION OF THE RECORDING OF A CHANGE  (PCT Rule 92bis.1 and Administrative Instructions, Section 422)  Date of mailing (day/month/year)	DAVIES COLLISON CAVE 1 Little Collins Street Melbourne, VIC 3000 AUSTRALIE			
18 April 2000 (18.04.00)				
Applicant's or agent's file reference 2246810/DBW	IMPORTANT NOTIFICATION			
International application No. PCT/AU99/01139	International filing date (day/month/year) 23 December 1999 (23.12.99)			
The following indications appeared on record concerning:      X the applicant      X the inventor	the agent the common representative			
Name and Address WILLIAMS, Russell, Clarke 18 The Rialto East Melbourne, VIC 3002 Australia	State of Nationality State of Residence AU AU  Telephone No.			
	Facsimile No.			
	Teleprinter No.			
2. The International Bureau hereby notifies the applicant that the the person the name X the add				
Name and Address	State of Nationality State of Residence  AU AU			
WILLIAMS, Russell, Clarke 18 The Rialto East Melbourne, VIC 3148	Telephone No.			
Australia	Facsimile No.			
	Teleprinter No.			
3. Further observations, if necessary:				
4. A copy of this notification has been sent to:				
X the receiving Office	X the designated Offices concerned			
the International Searching Authority	the elected Offices concerned			
the International Preliminary Examining Authority	other:			
The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorized officer Philippe Bécamel			
Facsimile No.: (41-22) 740.14.35	Telephone No.: (41-22) 338.83.38			

Date of mailing (day/month/year) 17 May 2000 (17.05.00) Applicant's or agent's file reference

2246810/DBW

### **NOTIFICATION OF THE RECORDING OF A CHANGE**

(PCT Rule 92bis.1 and Administrative Instructions, Section 422)

From the INTERNATIONAL BUREAU
То:
DAVIES COLLISON CAVE 1 Little Collins Street Melbourne, VIC 3000 AUSTRALIE
IMPORTANT NOTIFICATION
International filing date (day/month/year)

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Name and Address WILLIAMS, Russell, Clarke 18 The Rialto East Melbourne, VIC 3002 Australia	State of Nationality AU  Telephone No.  Facsimile No.  Teleprinter No.
2. The International Bureau hereby notifies the applicant that the the person the name X the add  Name and Address  WILLIAMS, Russell, Clarke 18 The Rialto Malvern East, VIC 3002 Australia	
3. Further observations, if necessary:	
4. A copy of this notification has been sent to:  X the receiving Office the International Searching Authority the International Preliminary Examining Authority	X the designated Offices concerned the elected Offices concerned other:

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland

**Authorized officer** 

Philippe Bécamel

Telephone No.: (41-22) 338.83.38 Facsimile No.: (41-22) 740.14.35

ATENT COOPERATION TREETY

TUESDAY 18 JUL 2000

### From the INTERNATIONAL BUREAU

PCT

NOTICE INFORMING THE APPLICANT OF THE COMMUNICATION OF THE INTERNATIONAL APPLICATION TO THE DESIGNATED OFFICES

(PCT Rule 47.1(c), first sentence)

WEBBER, David, Brian Davies Collison Cave 1 Little Collins Street Melbourne, VIC 3000 AUSTRALIE

Date of mailing (day/month/year) 06 July 2000 (06.07.00)			
Applicant's or agent's file reference 2246810/D8W	. 110 . 7 772	11	MPORTANT NOTICE
		late (day/month/year) er 1999 (23.12.99)	Priority date (day/month/year) 23 December 1998 (23.12.98)
Applicant TELSTRA CORPORAT	ION LIMITED et al		

 Notice is hereby given that the International Bureau has communicated, as provided in Article 20, the international application to the following designated Offices on the date indicated above as the date of mailing of this Notice: AU,CN,JP,KP,KR,US

In accordance with Rule 47.1(c), third sentence, those Offices will accept the present Notice as conclusive evidence that the communication of the international application has duly taken place on the date of mailing indicated above and no copy of the international application is required to be furnished by the applicant to the designated Office(s).

- 2. The following designated Offices have waived the requirement for such a communication at this time:
  - AE,AL,AM,AP,AT,AZ,BA,BB,BG,BR,BY,CA,CH,CR,CU,CZ,DE,DK,DM,EA,EE,EP,ES,FI,GB,GD,GE,GH,GM,HR,HU,ID,IL,IN,IS,KE,KG,KZ,LC,LK,LR,LS,LT,LU,LV,MA,MD,MG,MK,MN,MW,MX,NO,NZ,OA,PL,PT,RO,RU,SD,SE,SG,SI,SK,SL,TJ,TM,TR,TT,TZ,UA,UG,UZ,VN,YU,ZA,ZW

    The communication will be made to those Offices only upon their request. Furthermore, those Offices do not require the applicant to furnish a copy of the international application (Rule 49.1(a-bis)).
- 3. Enclosed with this Notice is a copy of the international application as published by the International Bureau on 06 July 2000 (06.07.00) under No. WO 00/39960

#### REMINDER REGARDING CHAPTER II (Article 31(2)(a) and Rule 54.2)

If the applicant wishes to postpone entry into the national phase until 30 months (or later in some Offices) from the priority date, a demand for international preliminary examination must be filed with the competent International Preliminary Examining Authority before the expiration of 19 months from the priority date.

It is the applicant's sole responsibility to monitor the 19-month time limit.

Note that only an applicant who is a national or resident of a PCT Contracting State which is bound by Chapter II has the right to file-a demand for international preliminary examination.

### REMINDER REGARDING ENTRY INTO THE NATIONAL PHASE (Article 22 or 39(1))

If the applicant wishes to proceed with the international application in the national phase, he must, within 20 months or 30 months, or later in some Offices, perform the acts referred to therein before each designated or elected Office.

For further important information on the time limits and acts to be performed for entering the national phase, see the Annex to Form PCT/IB/301 (Notification of Receipt of Record Copy) and Volume II of the PCT Applicant's Guide.

The International Bureau of WIPO
34, chemin des Colombettes
1211 Geneva 20, Switzerland

Facsimile No. (41-22) 740.14.35

Authorized officer

J. Zahra

Telephone No. (41-22) 338.83.38





## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

· · · · · · · · · · · · · · · · · · ·			
Applicant's or agent's file reference 2246810	FOR FURTHER ACTION		ransmittal of International Preliminary Form PCT/IPEA/416).
International Application No.	International Filing Dat	e (day/month/year)	Priority Date (day/month/year)
PCT/AU99/01139	23 December 1999		23 December 1998
International Patent Classification (IPC)	or national classification	and IPC	,
Int. Cl. <sup>7</sup> H04L 12/24; H04Q 7/00;	H04M 3/42		
Applicant			
TELSTRA CORPORATION I	LIMITED et al		
This international preliminary and is transmitted to the applic			ternational Preliminary Examining Authority
2. This REPORT consists of a tot	al of 5 sheets, includi	ing this cover sheet.	,
	e basis for this report and	d/or sheets containing r	ption, claims and/or drawings which have ectifications made before this Authority (see PCT).
These annexes consist of a tota	ol of sheet(s).		
3. This report contains indications relating	ng to the following items	:	
I X Basis of the repor	t		
II Priority			
III Non-establishmen	t of opinion with regard	to novelty, inventive st	ep and industrial applicability
IV Lack of unity of in	nvention		
	nt under Article 35(2) wanations supporting such		nventive step or industrial applicability;
VI X Certain document	s cited		
VII X Certain defects in	the international applica	tion	
VIII Certain observation	ons on the international a	pplication	
Date of submission of the demand	р	ate of completion of th	e renort
19 July 2000		March 2001	
Name and mailing address of the IPEA/AU	A	uthorized Officer	/
AUSTRALIAN PATENT OFFICE PO BOX 200, WODEN ACT 2606, AUSTI	RALIA	V. V. Vamuel	· -
E-mail address: pct@ipaustralia.gov.au Facsimile No. (02) 6285 3929	S	ERINEL SAMUEL	
<b>,</b> , , , , , , , , , , , , , , , , , ,	T	elephone No. (02) 628	33 2382



International	application	No

## PCT/AU99/01139

I.	Basis of the report
1.	With regard to the elements of the international application:*
	X the international application as originally filed.
	the description, pages, as originally filed,
	pages , filed with the demand,
	pages, received on with the letter of
	the claims, pages, as originally filed,
	pages, as amended (together with any statement) under Article 19,
	pages, filed with the demand,
	pages, received on with the letter of
	the drawings, pages, as originally filed,
	pages, filed with the demand,
	pages, received on with the letter of
	the sequence listing part of the description:
	pages , as originally filed
	pages, filed with the demand  pages, received on with the letter of
_	,
2.	With regard to the language, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.
	These elements were available or furnished to this Authority in the following language which is:
	the language of a translation furnished for the purposes of international search (under Rule 23.1(b)).
	the language of publication of the international application (under Rule 48.3(b)).
	the language of the translation furnished for the purposes of international preliminary examination (under Rules 55.2 and/or 55.3).
3.	With regard to any nucleotide and/or amino acid sequence disclosed in the international application, was on the basis of the sequence listing:
	contained in the international application in written form.
	filed together with the international application in computer readable form.
	furnished subsequently to this Authority in written form.
	furnished subsequently to this Authority in computer readable form.
	The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
	The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished
4.	The amendments have resulted in the cancellation of:
	the description, pages
	the claims, Nos.
	the drawings, sheets/fig.
5.	This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**
•	Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this
••	report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17).
	Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report



International application No.

### PCT/AU99/01139

V.	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations
	and explanations supporting such statement

l			
	1. Statement		
	Novelty (N)	Claims 3,6-10,13,16-24	YES
I		Claims 1,2,4,5,11,12,14,15	NO
I	Inventive step (IS)	Claims Nil	YES
I		Claims 1-24	NO
	Industrial applicability (IA)	Claims 1-24	YES
۱		Claims Nil	NO

2. Citations and explanations (Rule 70.7)

### NOVELTY (N) claims 1,2,4,5,11,12,14,15

D1 WO 96/13949

D2 CA 2,153,281

Each of these citations explicitly discloses all of the features of claims 1 and 11, and the explicit disclosure of these citations is to employ the element as instantly claimed.

The features of claims 2,12,5 and 15 are found in document D1 and the features of claims 4 and 14 are found in document D2.

### INVENTIVE STEP (IS) claims 1,2,4,5,11,12,14,15

### As above

The remaining appended claims add features which would either be obvious to a person skilled in the art or merely amount to adding common general knowledge.

## INDUSTRIAL APPLICABILITY (IA) claims 1-24

Claims 1-24 have industrial applicability.

## Non-patent Literature P Category Documents

"An Architecture for Residential Internet Telephony Service" (HUITEMA et al.) IEEE Internet Computing, Volume 3, Number 3, May-June 1999, pages 73-82.

This document may be relevant to at least claims 1 and 11 if there is a priority issue with the application.



International application No. PCT/AU99/01139

Л.	Certain documents	cited		
. •	Certain published doc	cuments (Rule 70.10)		
A	Application No. Patent No.	Publication date (day/month/year)	Filing date (day/month/year)	Priority date (valid claim (day/month/year)
P,X	WO 99/16256	01 April 1999	23 September 1998	24 September 1997
	Non-written disclosur	es (Rule 70.9)		
Kin	d of non-written disclosur	e Date of non-wri	tten disclosure Date of wr	itten disclosure referring to nor written disclosure (day/month/year)





International application No.

## PCT/AU99/01139

VII.	Certain defects in the international application
The foll	owing defects in the form or contents of the international application have been noted:
1	The claims do not comply with Rule 6.2(b) because reference signs in parentheses relating the technical features mentioned to the drawings should be inserted in the claims to increase their intelligibility. This applies to both the preamble and the characterising portions.
<del></del> <u>-</u> .	

## PCT

#### WORLD INTELLECTUAL PROPERTY ORGANIZATION International Bureau



## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 6: H04L 12/24, H04Q 7/00, H04M 3/42

(11) International Publication Number:

WO 00/39960

(43) International Publication Date:

6 July 2000 (06.07.00)

(21) International Application Number:

PCT/AU99/01139

**A1** 

(22) International Filing Date:

23 December 1999 (23.12.99)

(30) Priority Data:

PP 7917

23 December 1998 (23.12.98)

(71) Applicant (for all designated States except US): TELSTRA CORPORATION LIMITED [AU/AU]; 242 Exhibition Street, Melbourne, VIC 3000 (AU).

(72) Inventors; and

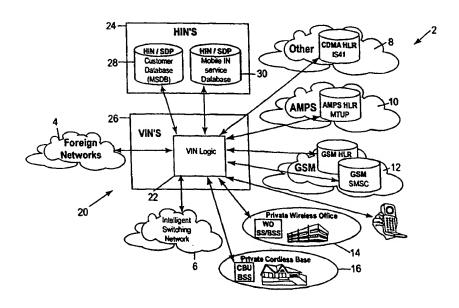
- (75) Inventors/Applicants (for US only): KLEINITZ, Francis, Patrick [AU/AU]; RMB 2150 Nungumer Road, Nungumer, VIC 3909 (AU). McLEOD, Norman, William [AU/AU]; 3 Irvine Street, Glen Iris, VIC 3146 (AU). WILLIAMS, Russell, Clarke [AU/AU]; 18 The Rialto, Malvern East, VIC 3002 (AU).
- (74) Agents: WEBBER, David, Brian et al.; Davies Collison Cave, 1 Little Collins Street, Melbourne, VIC 3000 (AU).

(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

#### Published

With international search report.

(54) Title: A SYSTEM AND METHOD FOR INTELLIGENT NETWORK SERVICES



#### (57) Abstract

A network system having a network switch for processing characteristic data associated with a communications call to determine if Intelligent Network (IN) service data is required to establish the call, and a network service data gateway for receiving the characteristic data from the network switch when the service data is required. The gateway is adapted to process at least part of the characteristic data to determine a network location to access in order to obtain the service data, and a communication protocol for connecting to the network location. The gateway is also adapted to receive the service data and pass the service data to the switch to establish the call. The system has a Home IN and Visitor IN architecture.

## FOR THE PURPOSES OF INFORMATION ONLY

Codes used to identify States party to the PCT on the front pages of pamphlets publishing international applications under the PCT.

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DK	Denmark	LK	Sri Lanka	SE	Sweden		
EE	Estonia	LR	Liberia	SG	Singapore		

#### INTERNATIONAL SEARCH REPORT

International application No.

PCT/AU 99/01139 A. **CLASSIFICATION OF SUBJECT MATTER** Int Cl<sup>6</sup>: H04L 12/24; H04O 7/00; H04M 3/42 According to International Patent Classification (IPC) or to both national classification and IPC FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC H04L/IC, H04Q/IC, H04M/IC Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched AU: IPC AS ABOVE Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) WPAT: Intelligent and network and sms or service and gateway or protocol JAPIO: 'as above' C. DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages Category\* Relevant to claim No. WO 96/13949 A1 (NOKIA TELECOMMUNICATIONS OY) 09 May 1996 Х See page 3, line 28 - page 7, line 13 and the claims. 1,2,5 CA 2,153,281 A1 (SCHWARTZ, RONALD et al.) 09 January 1996 Х See the claims 1.4 WO 99/16256 A1 (BELL CANADA) 01 April 1999 P,X See page 5, line 8 - page 10, line 15. 1 Further documents are listed in the See patent family annex X continuation of Box C Special categories of cited documents: "T" later document published after the international filing date or "A" priority date and not in conflict with the application but cited to document defining the general state of the art which is not considered to be of particular relevance understand the principle or theory underlying the invention "E" "X" earlier application or patent but published on or after document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an the international filing date "L" document which may throw doubts on priority claim(s) inventive step when the document is taken alone or which is cited to establish the publication date of document of particular relevance; the claimed invention cannot another citation or other special reason (as specified) be considered to involve an inventive step when the document is "O" document referring to an oral disclosure, use, combined with one or more other such documents, such exhibition or other means combination being obvious to a person skilled in the art document published prior to the international filing "&" document member of the same patent family date but later than the priority date claimed Date of the actual completion of the international search Date of mailing of the international search report 08 FEB 2000 25 January 2000 Name and mailing address of the ISA/AU Authorized officer AUSTRALIAN PATENT OFFICE PO BOX 200, WODEN ACT 2606, AUSTRALIA

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## INTERNATIONAL SEARCH REPORT

International application No.

PCT/AU 99/01139

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT								
Category*	Citation of document, with indication, where appropriate, of the relevant passages							
P,X	"AN ARCHITECTURE FOR RESIDENTIAL INTERNET TELEPHONY SERVICE" (HUITEMA et al.) IEEE Internet computing, Volume 3, Number 3, MAY - JUNE 1999, pages 73 to 82.							
P,A	WO 99/03251 A1 (NOKIA TELECOMMUNICATIONS OY) 21 January 1999 Seethe whole document.	1-24						

## INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No. PCT/AU 99/01139

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report		Patent Family Member						
wo	96/13949	AU	37487/95	CA	2203798	CN	1166908	
		EP	789977					
CA	2153281	US	5862334					
wo	99/16256	AU	92474/98	CA	2216620			
wo	99/03251	AU	83412/98	FI	972974			
							END OF ANNEX	